

Abstract of the Disclosure

An apparatus is provided for detecting an occurrence of knocking of an engine from a signal sensed by a knocking sensor for the engine. The apparatus comprises plural filters extracting, from the signal, plural
5 signal components whose frequency bands mutually differ and a unit determining whether or not there is the occurrence of knocking, based on results outputted from the plural filters. The plural filters include first and second types of filters. The first type of filter has a pass band set to a specific frequency band including a specific frequency of the signal.
10 This specific frequency indicates the occurrence of knocking. The second type of filter has a pass band set to another specific frequency band. An inclination of a filtering characteristic of the second type of filter at a cut-off frequency thereof is steeper than that the first type of filter.

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